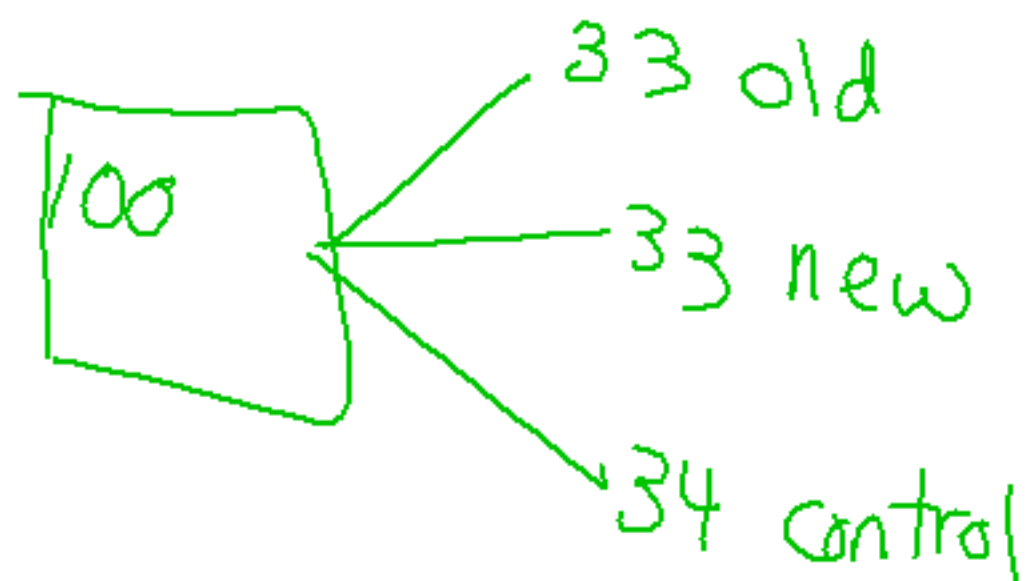
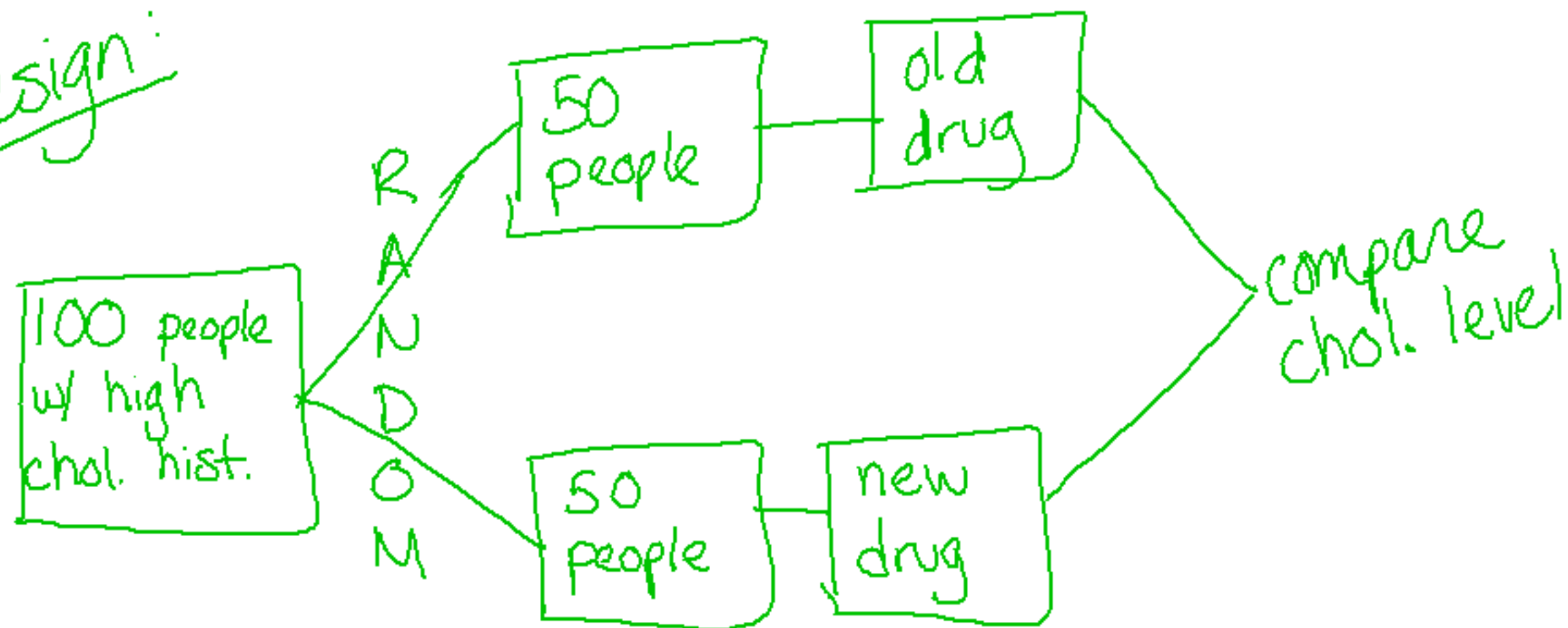


Ex. 1  
Treatments = old drug, new drug  
subjects = 100 <sup>volunteers</sup> people w/ history of high  
cholesterol not on meds  
resp. var = cholesterol level

~~placebo?~~  
Control?

Design:



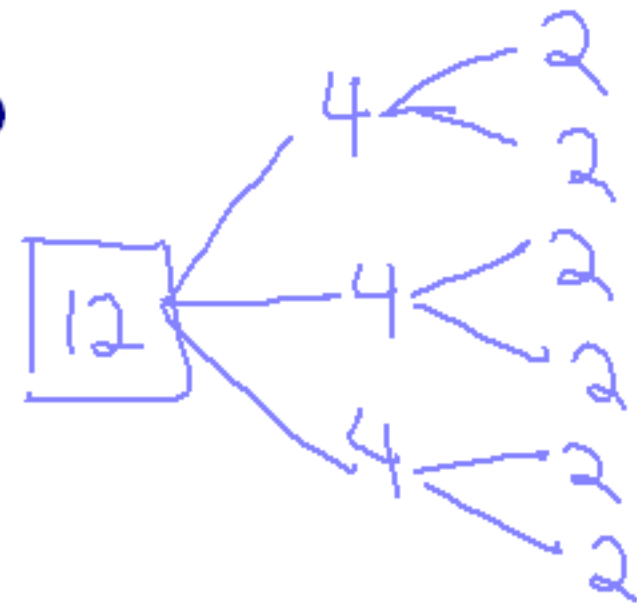
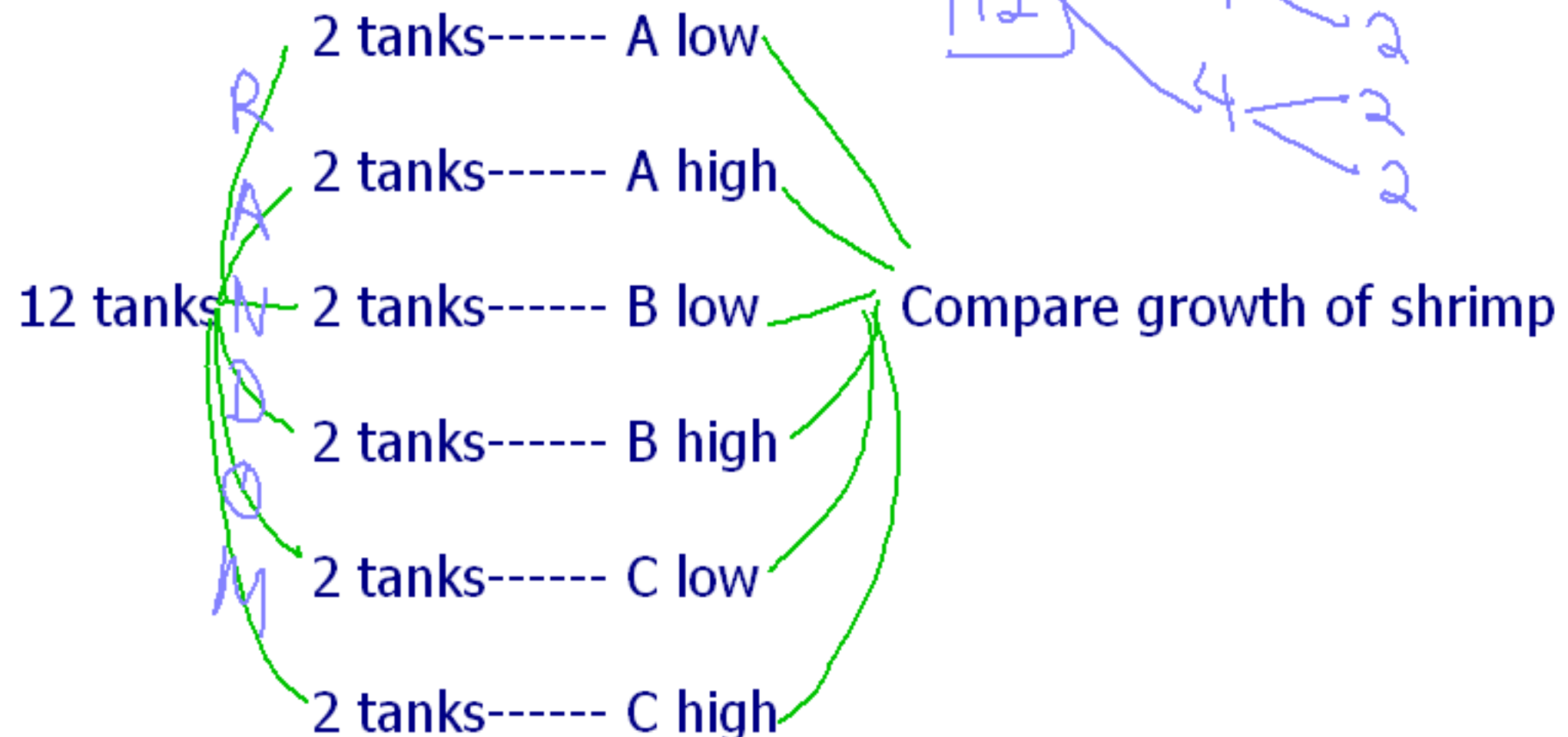
Ex 2

Treatments =    A-low    A-high  
                      B-low    B-high  
                      C-low    C-high

Exp. var = growth enhancing nutr. + salt level  
individuals = the shrimp

response variable = growth of shrimp

Design:



### Example 3

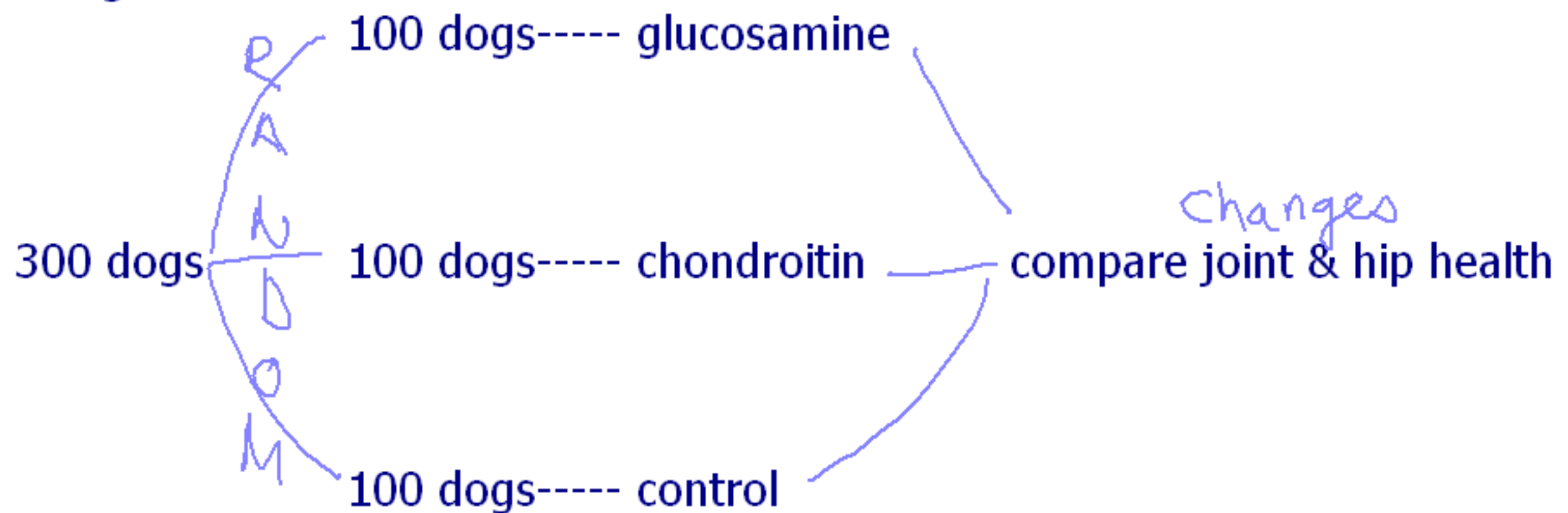
treatments = glucosamine, chondroitin

individuals = 300 dogs

resp. variable = changes in joint and hip health

control group = to be able to compare the dogs  
\*in context joint & hip health naturally  
compared to drugs. ~

Design:



## Example 4

- Observational study because the dentists did not tell the people how many apples to eat (no treatment imposed). Also, the dentists just examined the patients' records to collect data- this is observational
- Lurking variables: brushing teeth, what they eat, etc.
- confounding: not being able to separate the effects of eating apples vs. brushing teeth, vs. what they eat, in order to be able to tell which of them really effect # of cavaties

## Example 5

Design:

